


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU H-32-8-16							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE							
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)							
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825							
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-21836				11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')				18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>				19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		2118 FNL 1995 FWL		SE NW		32		8.0 S		16.0 E		S	
Top of Uppermost Producing Zone		1604 FNL 2419 FWL		SE NW		32		8.0 S		16.0 E		S	
At Total Depth		1132 FNL 2443 FEL		NW NE		32		8.0 S		16.0 E		S	
21. COUNTY DUCHE SNE				22. DISTANCE TO NEAREST LEASE LINE (Feet) 1132				23. NUMBER OF ACRES IN DRILLING UNIT 20					
				25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1147				26. PROPOSED DEPTH MD: 6599 TVD: 6599					
27. ELEVATION - GROUND LEVEL 5710				28. BOND NUMBER B001834				29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478					
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
SURF	12.25	8.625	0 - 400	24.0	J-55 ST&C	8.3	Class G		183	1.17	15.8		
PROD	7.875	5.5	0 - 6599	15.5	J-55 LT&C	8.3	Premium Lite High Strength		318	3.26	11.0		
							50/50 Poz		363	1.24	14.3		
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Mandie Crozier					TITLE Regulatory Tech					PHONE 435 646-4825			
SIGNATURE					DATE 06/13/2011					EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013508360000					APPROVAL  Permit Manager								

RECEIVED: August 09, 2011

NEWFIELD PRODUCTION COMPANY
GMBU H-32-8-16
AT SURFACE: SE/NW SECTION 32, T8S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1720'
Green River	1720'
Wasatch	6490'
Proposed TD	6599'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1720' – 6490'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU H-32-8-16**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	400'	24.0	J-55	STC	2,950 13.15	1,370 10.77	244,000 25.42
Prod casing 5-1/2"	0'	6,599'	15.5	J-55	LTC	4,810 2.29	4,040 1.92	217,000 2.12

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU H-32-8-16**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	400'	Class G w/ 2% CaCl	183 215	30%	15.8	1.17
Prod casing Lead	4,599'	Prem Lite II w/ 10% gel + 3% KCl	318 1036	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 400 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 400 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

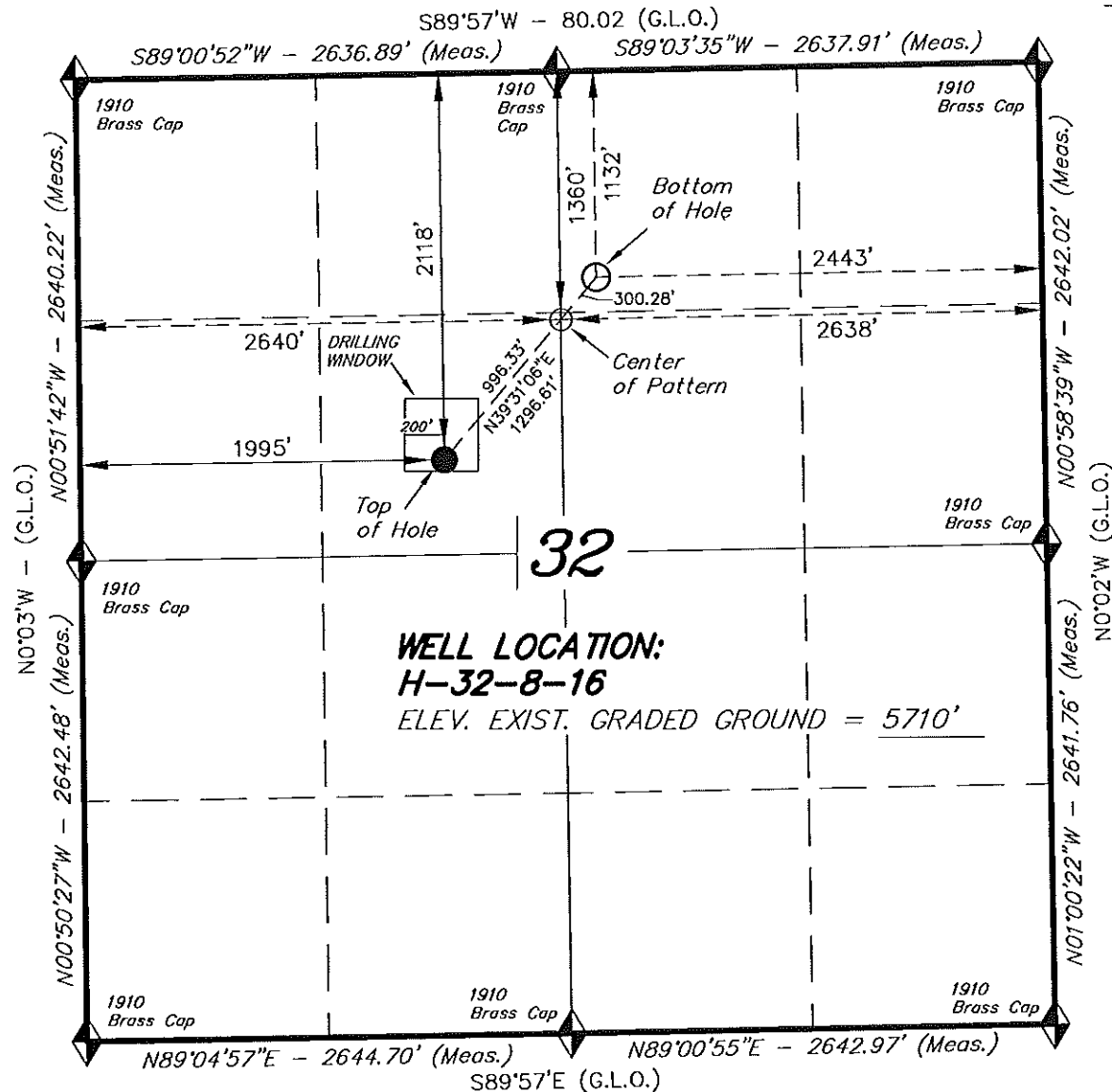
The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 400' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

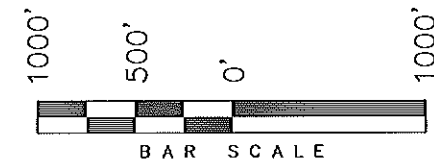
10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the third quarter of 2011, and take approximately seven (7) days from spud to rig release.

T8S, R16E, S.L.B.&M.**NEWFIELD EXPLORATION COMPANY**

WELL LOCATION, H-32-8-16,
LOCATED AS SHOWN IN THE SE 1/4
NW 1/4 OF SECTION 32, T8S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, H-32-8-16,
LOCATED AS SHOWN IN THE NW 1/4
NE 1/4 OF SECTION 32, T8S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PART WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST
OF MY KNOWLEDGE AND BELIEF.

STACY W.
REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH

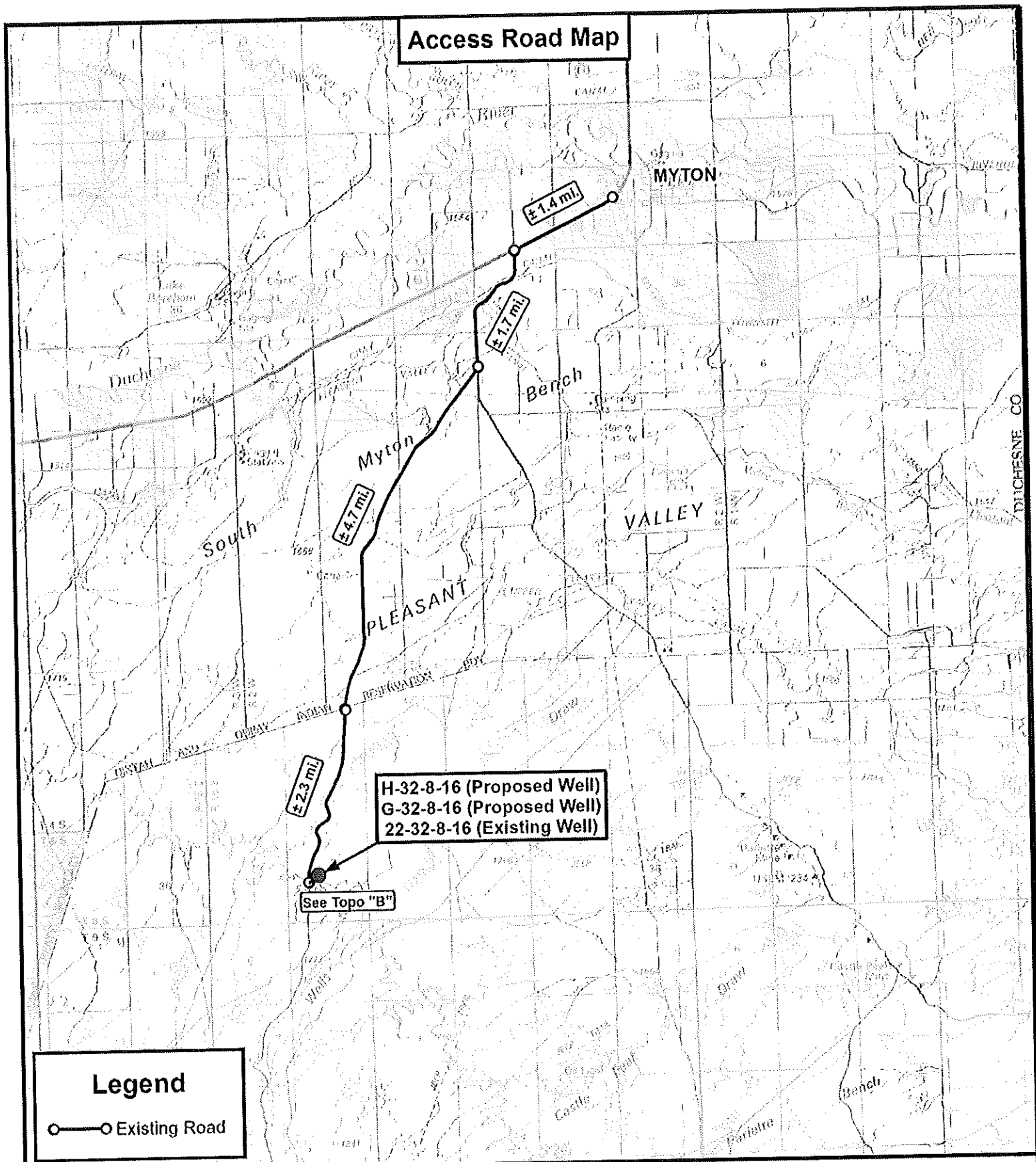
TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on
an N.G.S. OPUS Correction. LOCATION:
LAT. 40°04'09.56" LONG. 110°00'43.28"
(Tristate Aluminum Cap) Elev. 5281.57'

H-32-8-16
(Surface Location) NAD 83
LATITUDE = 40° 04' 33.14"
LONGITUDE = 110° 08' 44.17"

DATE SURVEYED: 02-24-11	SURVEYED BY: D.G.	VERSION:
DATE DRAWN: 03-23-11	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	



Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518

DRAWN BY: C.H.M.	REVISED:	VERSION:
DATE: 04-14-2011		V1
SCALE: 1:100,000		

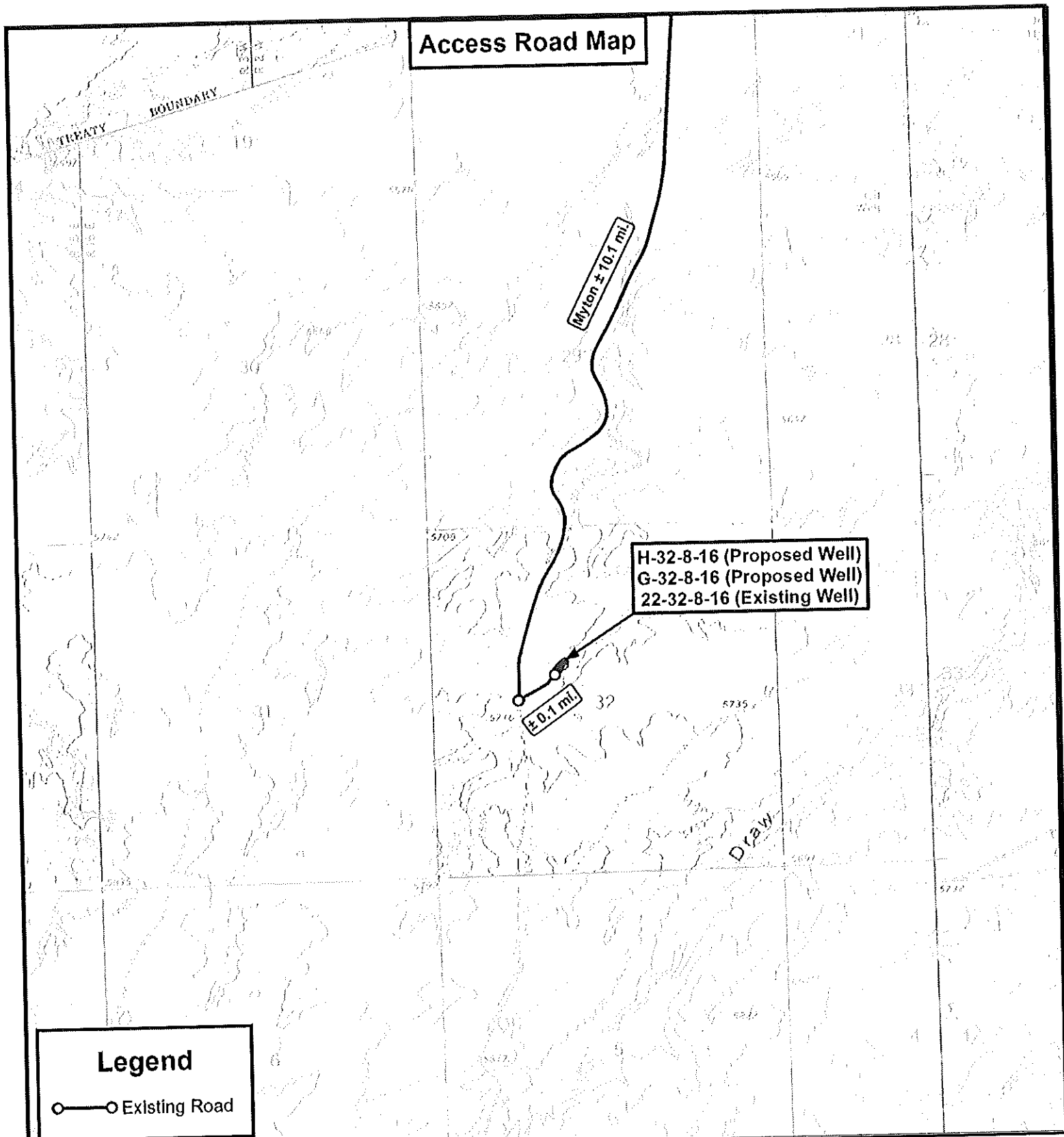
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NEWFIELD EXPLORATION COMPANY

H-32-8-16 (Proposed Well)
G-32-8-16 (Proposed Well)
22-32-8-16 (Existing Well)

SEC. 32, T8S, R16E, S.L.B.&M. Duchesne County, UT.

<p>TOPOGRAPHIC MAP</p>	<p>SHEET A</p>
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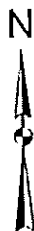
THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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NEWFIELD EXPLORATION COMPANY

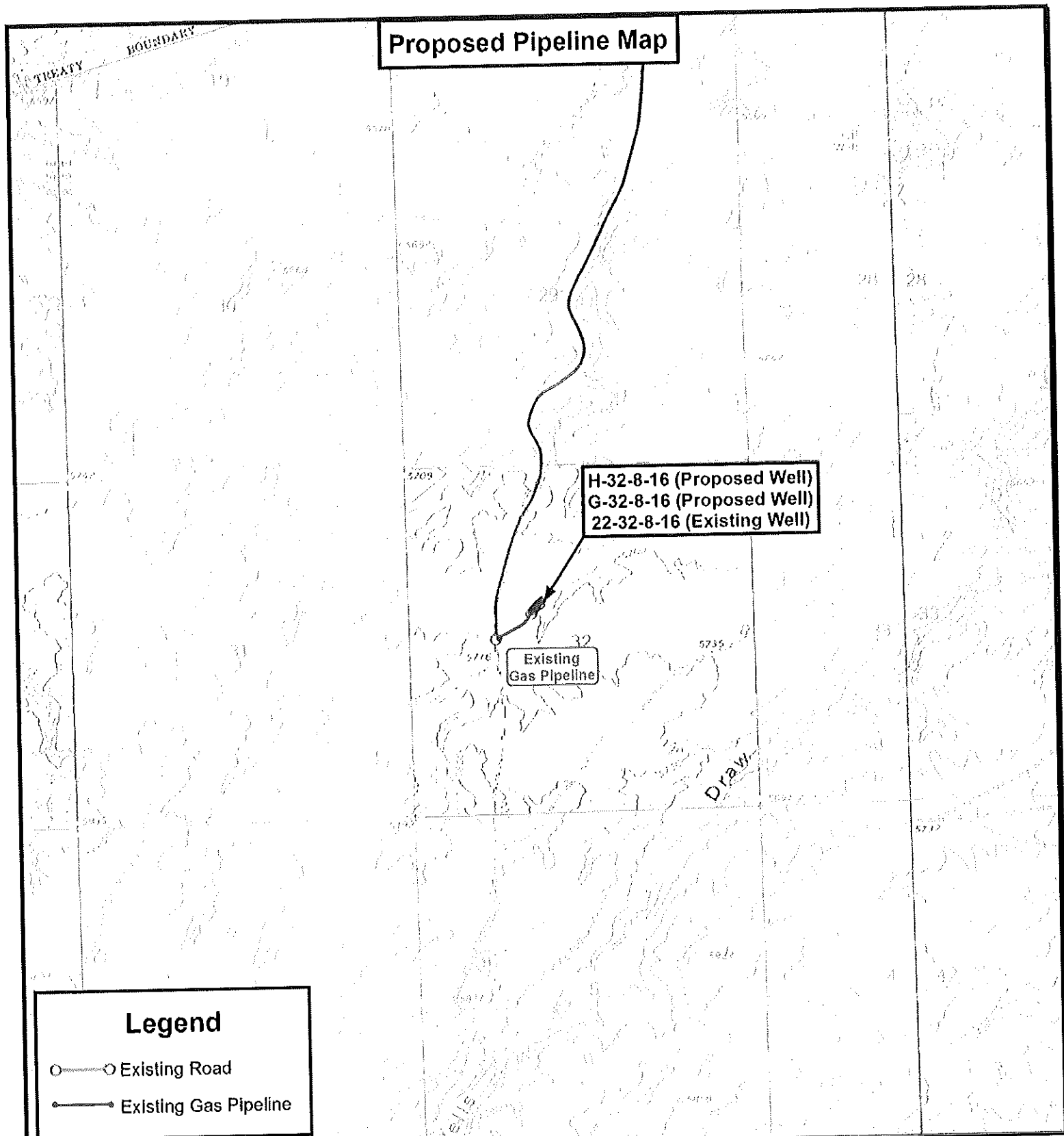
H-32-8-16 (Proposed Well)
G-32-8-16 (Proposed Well)
22-32-8-16 (Existing Well)

SEC. 32, T8S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	04-14-2011		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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NEWFIELD EXPLORATION COMPANY

H-32-8-16 (Proposed Well)
G-32-8-16 (Proposed Well)
22-32-8-16 (Existing Well)

SEC. 32, T8S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	04-14-2011		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
C

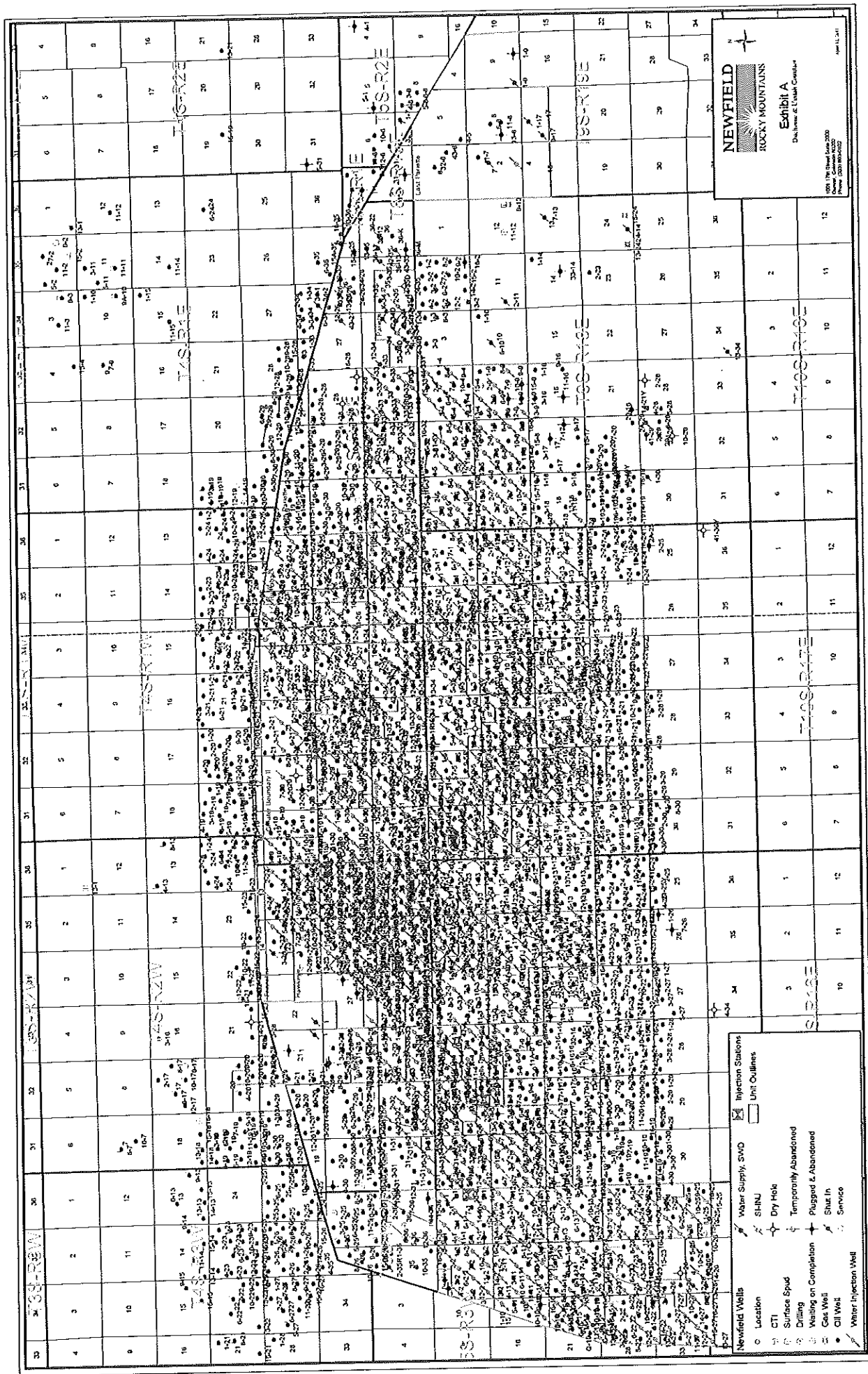
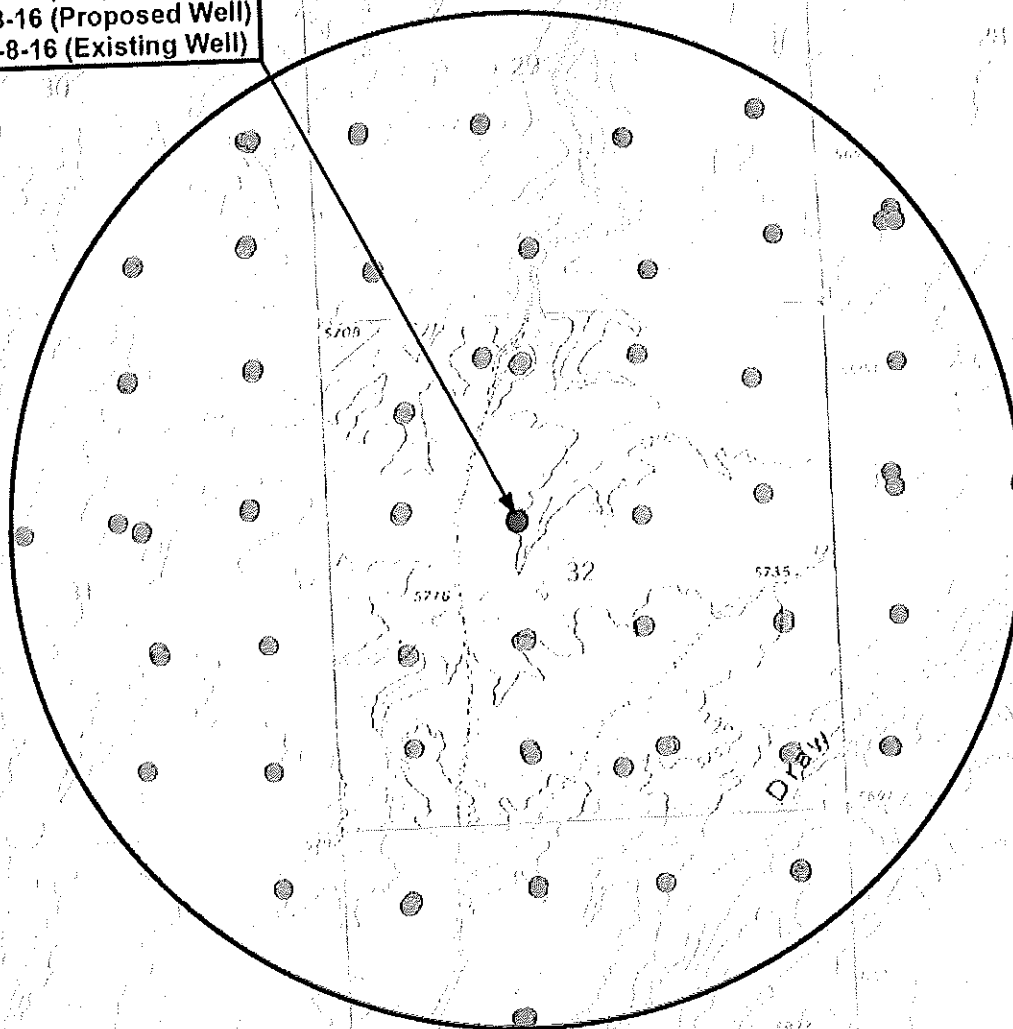


Exhibit "B" Map

H-32-8-16 (Proposed Well)
G-32-8-16 (Proposed Well)
22-32-8-16 (Existing Well)



Legend

-  1 Mile Radius
-  Pad Location

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NEWFIELD EXPLORATION COMPANY

H-32-8-16 (Proposed Well)
G-32-8-16 (Proposed Well)
22-32-8-16 (Existing Well)
SEC. 32, T8S, R16E, S.L.B.&M. Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET
D

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	04-14-2011		V1
SCALE:	1" = 2,000'		



NEWFIELD EXPLORATION

**USGS Myton SW (UT)
SECTION 32 T8S, R16E
H-32-8-16**

Wellbore #1

Plan: Design #1

Standard Planning Report

08 April, 2011





Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well H-32-8-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	H-32-8-16 @ 5722.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	H-32-8-16 @ 5722.0ft (Original Well Elev)
Site:	SECTION 32 T8S, R16E	North Reference:	True
Well:	H-32-8-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 32 T8S, R16E, SEC 32 T8S, R16E			
Site Position:		Northing:	7,196,687.77 ft	Latitude: 40° 4' 8.000 N
From:	Lat/Long	Easting:	2,019,528.34 ft	Longitude: 110° 8' 43.000 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence: 0.87 °

Well	H-32-8-16, SHL LAT: 40 04 33.35 LONG: -110 08 44.17					
Well Position	+N/-S	2,565.0 ft	Northing:	7,199,251.07 ft	Latitude:	40° 4' 33.350 N
	+E/-W	-91.0 ft	Easting:	2,019,398.56 ft	Longitude:	110° 8' 44.170 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,722.0 ft	Ground Level:	5,710.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/04/08	11.38	65.81	52,292

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	5,200.0	0.0	0.0	39.52

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.5	13.51	39.52	1,492.2	81.5	67.2	1.50	1.50	0.00	39.52	
5,313.8	13.51	39.52	5,200.0	768.6	634.0	0.00	0.00	0.00	0.00	H-32-8-16 TGT
6,599.4	13.51	39.52	6,450.0	1,000.2	825.1	0.00	0.00	0.00	0.00	



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well H-32-8-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	H-32-8-16 @ 5722.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	H-32-8-16 @ 5722.0ft (Original Well Elev)
Site:	SECTION 32 T8S, R16E	North Reference:	True
Well:	H-32-8-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	39.52	700.0	1.0	0.8	1.3	1.50	1.50	0.00
800.0	3.00	39.52	799.9	4.0	3.3	5.2	1.50	1.50	0.00
900.0	4.50	39.52	899.7	9.1	7.5	11.8	1.50	1.50	0.00
1,000.0	6.00	39.52	999.3	16.1	13.3	20.9	1.50	1.50	0.00
1,100.0	7.50	39.52	1,098.6	25.2	20.8	32.7	1.50	1.50	0.00
1,200.0	9.00	39.52	1,197.5	36.3	29.9	47.0	1.50	1.50	0.00
1,300.0	10.50	39.52	1,296.1	49.3	40.7	64.0	1.50	1.50	0.00
1,400.0	12.00	39.52	1,394.2	64.4	53.1	83.5	1.50	1.50	0.00
1,500.5	13.51	39.52	1,492.2	81.5	67.2	105.7	1.50	1.50	0.00
1,600.0	13.51	39.52	1,588.9	99.4	82.0	128.9	0.00	0.00	0.00
1,700.0	13.51	39.52	1,686.2	117.5	96.9	152.3	0.00	0.00	0.00
1,800.0	13.51	39.52	1,783.4	135.5	111.7	175.6	0.00	0.00	0.00
1,900.0	13.51	39.52	1,880.6	153.5	126.6	199.0	0.00	0.00	0.00
2,000.0	13.51	39.52	1,977.9	171.5	141.5	222.3	0.00	0.00	0.00
2,100.0	13.51	39.52	2,075.1	189.5	156.3	245.7	0.00	0.00	0.00
2,200.0	13.51	39.52	2,172.3	207.5	171.2	269.0	0.00	0.00	0.00
2,300.0	13.51	39.52	2,269.6	225.6	186.1	292.4	0.00	0.00	0.00
2,400.0	13.51	39.52	2,366.8	243.6	200.9	315.8	0.00	0.00	0.00
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2,600.0	13.51	39.52	2,561.3	279.6	230.6	362.5	0.00	0.00	0.00
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4,200.0	13.51	39.52	4,117.0	567.9	468.4	736.2	0.00	0.00	0.00
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5,200.0	13.51	39.52	5,089.4	748.1	617.1	969.8	0.00	0.00	0.00
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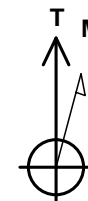
Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well H-32-8-16
Company:	NEWFIELD EXPLORATION	TVD Reference:	H-32-8-16 @ 5722.0ft (Original Well Elev)
Project:	USGS Myton SW (UT)	MD Reference:	H-32-8-16 @ 5722.0ft (Original Well Elev)
Site:	SECTION 32 T8S, R16E	North Reference:	True
Well:	H-32-8-16	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,313.8	13.51	39.52	5,200.0	768.6	634.0	996.3	0.00	0.00	0.00
H-32-8-16 TGT									
5,400.0	13.51	39.52	5,283.8	784.1	646.8	1,016.5	0.00	0.00	0.00
5,500.0	13.51	39.52	5,381.1	802.1	661.7	1,039.8	0.00	0.00	0.00
5,600.0	13.51	39.52	5,478.3	820.2	676.5	1,063.2	0.00	0.00	0.00
5,700.0	13.51	39.52	5,575.5	838.2	691.4	1,086.5	0.00	0.00	0.00
5,800.0	13.51	39.52	5,672.8	856.2	706.3	1,109.9	0.00	0.00	0.00
5,900.0	13.51	39.52	5,770.0	874.2	721.1	1,133.3	0.00	0.00	0.00
6,000.0	13.51	39.52	5,867.2	892.2	736.0	1,156.6	0.00	0.00	0.00
6,100.0	13.51	39.52	5,964.5	910.2	750.8	1,180.0	0.00	0.00	0.00
6,200.0	13.51	39.52	6,061.7	928.3	765.7	1,203.3	0.00	0.00	0.00
6,300.0	13.51	39.52	6,158.9	946.3	780.6	1,226.7	0.00	0.00	0.00
6,400.0	13.51	39.52	6,256.2	964.3	795.4	1,250.0	0.00	0.00	0.00
6,500.0	13.51	39.52	6,353.4	982.3	810.3	1,273.4	0.00	0.00	0.00
6,599.4	13.51	39.52	6,450.0	1,000.2	825.1	1,296.6	0.00	0.00	0.00

API Well Number: 43013508360000



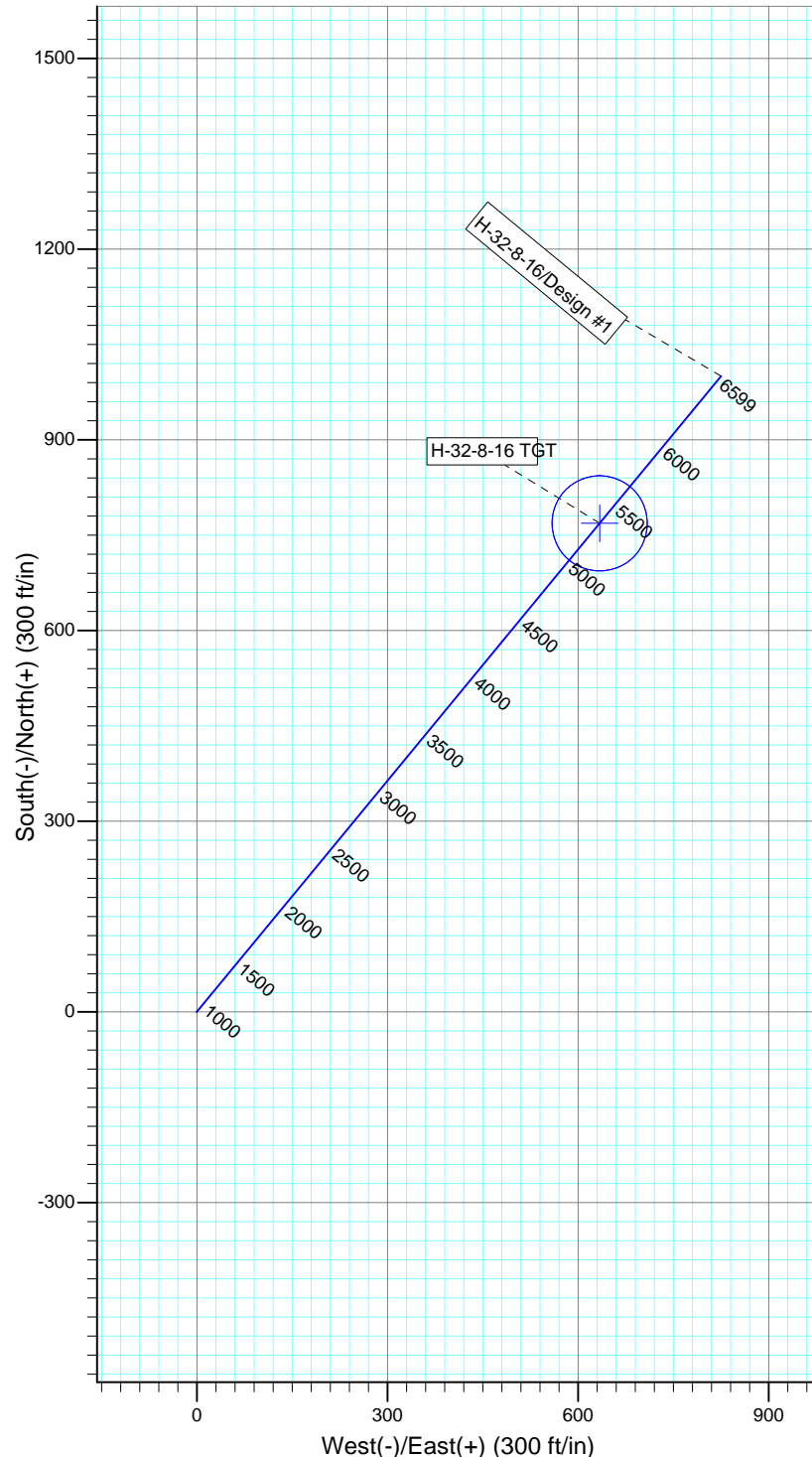
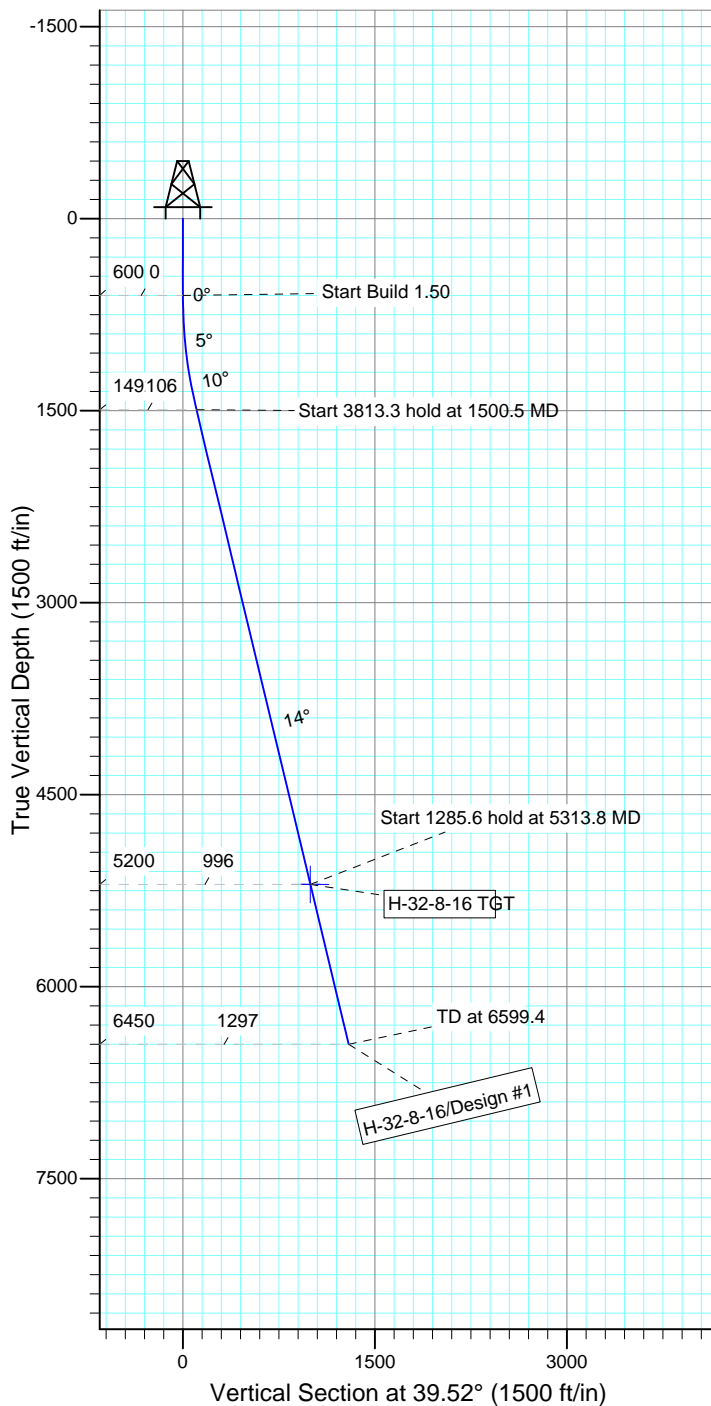
Project: USGS Myton SW (UT)
 Site: SECTION 32 T8S, R16E
 Well: H-32-8-16
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to True North
 Magnetic North: 11.37°

Magnetic Field
 Strength: 52292.2snT
 Dip Angle: 65.81°
 Date: 2011/04/08
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
H-32-8-16 TGT	5200.0	768.6	634.0	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1500.5	13.51	39.52	1492.2	81.5	67.2	1.50	39.52	105.7	
4	5313.8	13.51	39.52	5200.0	768.6	634.0	0.00	0.00	996.3	H-32-8-16 TGT
5	6599.4	13.51	39.52	6450.0	1000.2	825.1	0.00	0.00	1296.6	



**NEWFIELD PRODUCTION COMPANY
GMBU H-32-8-16
AT SURFACE: SE/NW SECTION 32, T8S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU H-32-8-16 located in the SE 1/4 NW 1/4 Section 32, T8S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles to the junction of this highway and UT State Hwy 53; proceed southwesterly – 8.7 miles to it's junction with an existing road to the northeast; proceed northeasterly – 0.1 miles to it's junction with the beginning of the access road to the existing 22-32-8-16 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 22-32-8-16 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – State of Utah.

11. **OTHER ADDITIONAL INFORMATION :**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or

archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU H-32-8-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU H-32-8-16, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

Representative

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #H-32-8-16, Section 32, Township 8S, Range 16E: Lease ML-21836 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

6/13/11
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

2-M SYSTEM

Blowout Prevention Equipment Systems

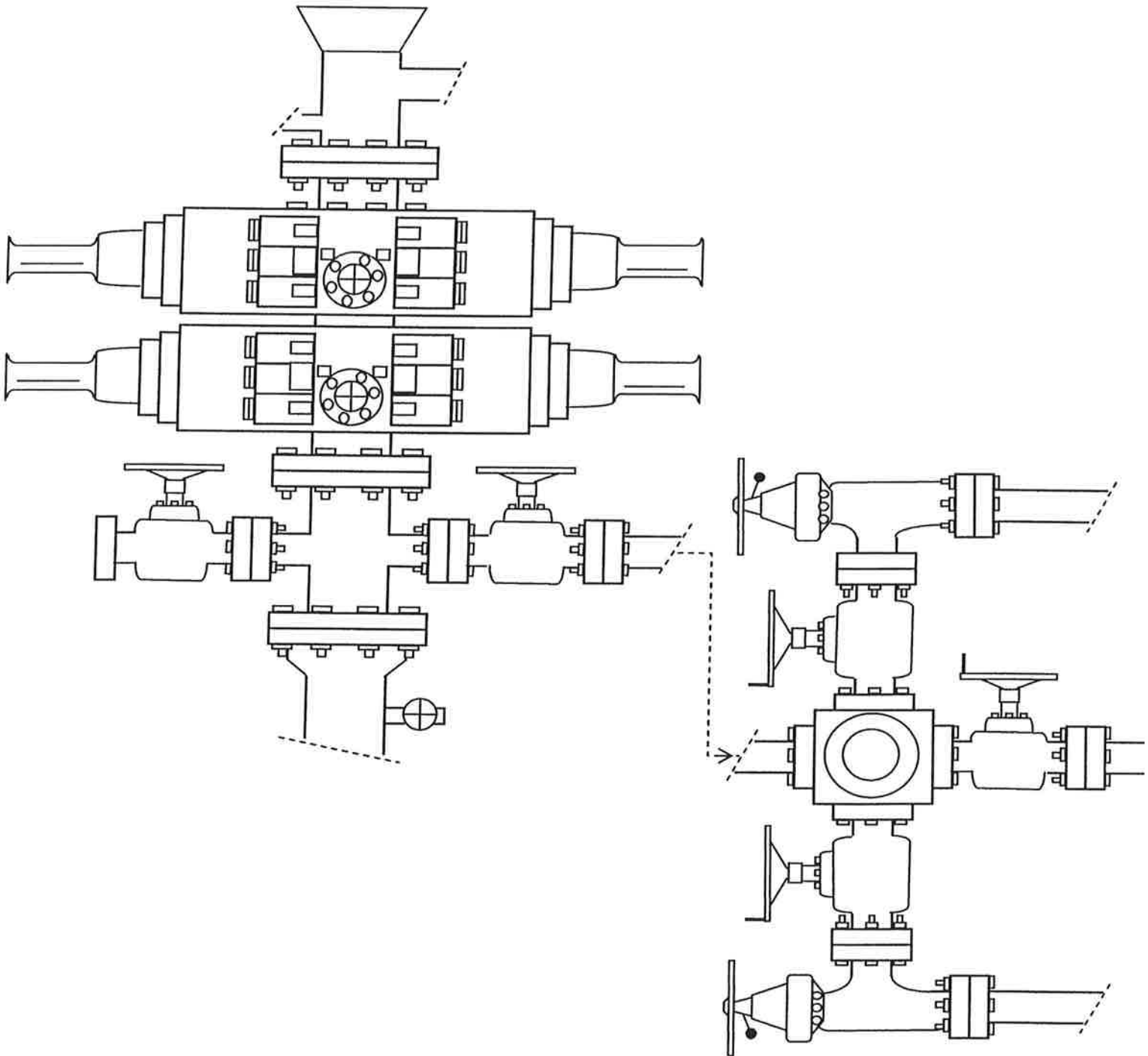
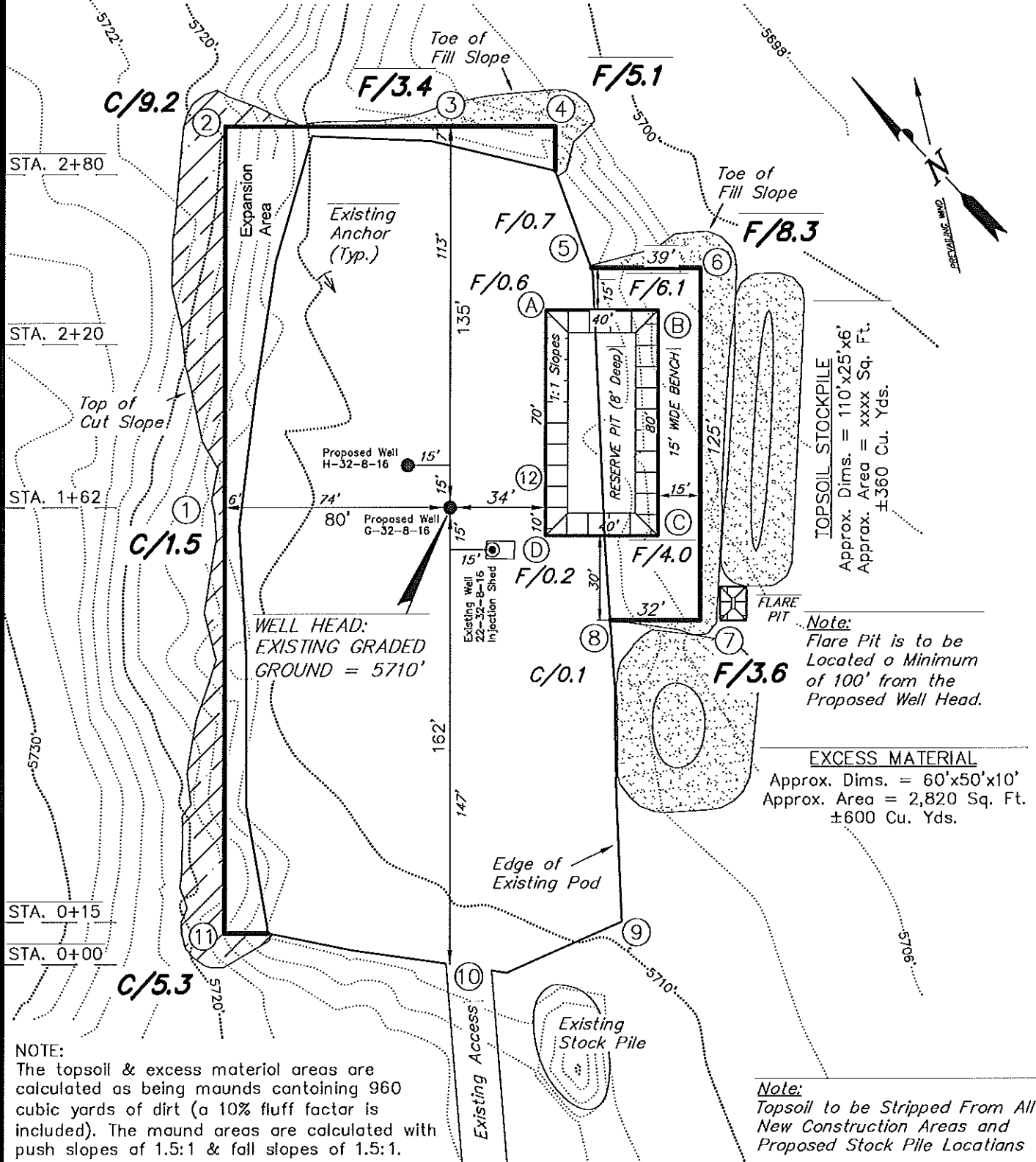


EXHIBIT C

NEWFIELD EXPLORATION COMPANY**LOCATION LAYOUT****G-32-8-16 (Proposed Well)****H-32-8-16 (Proposed Well)****22-32-8-16 (Existing Well)****Pad Location: NWSE Section 32, T8S, R16E, S.L.B.&M.**

SURVEYED BY: D.G.	DATE SURVEYED: 02-24-11	VERSION:
DRAWN BY: F.T.M.	DATE DRAWN: 03-23-11	V1
SCALE: 1" = 50'	REVISED:	

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

NEWFIELD EXPLORATION COMPANY

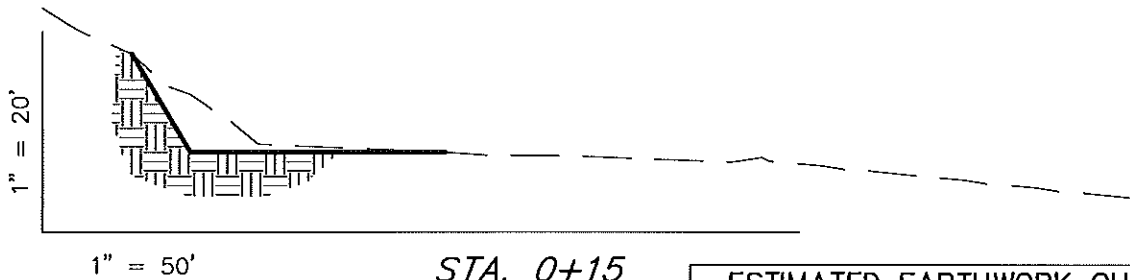
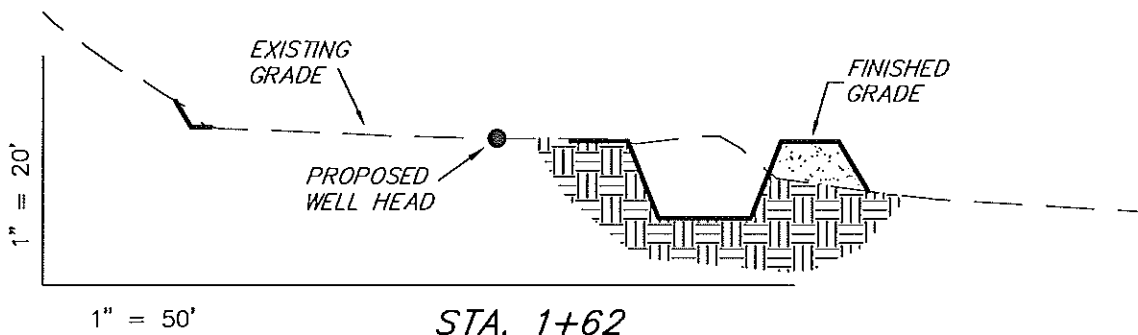
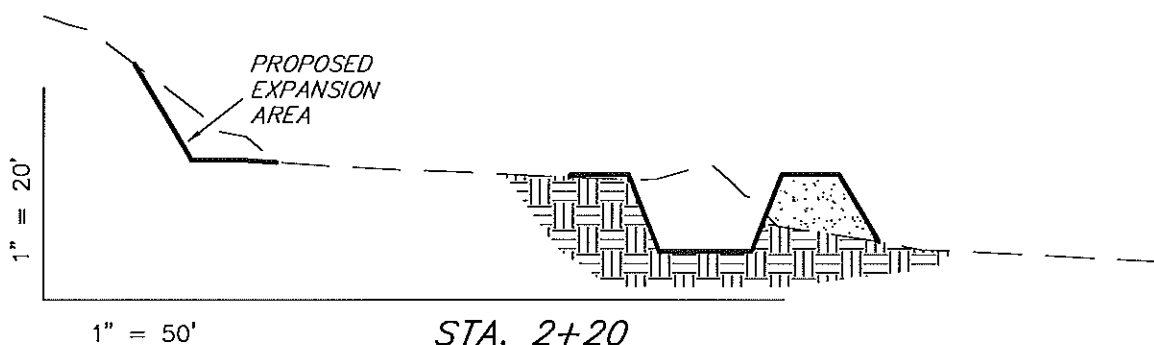
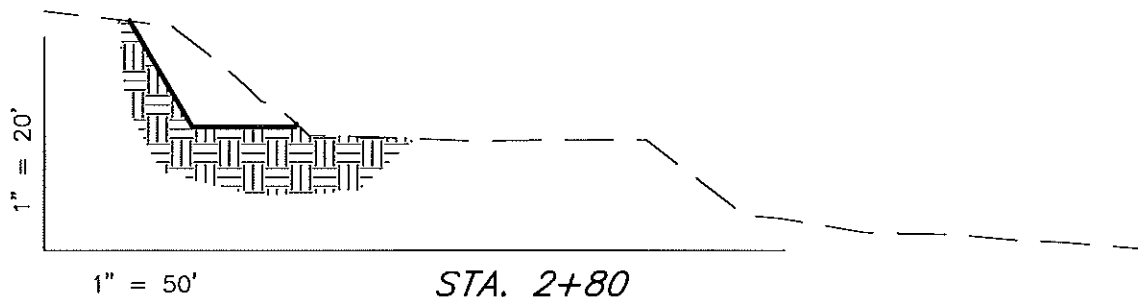
CROSS SECTIONS

G-32-8-16 (Proposed Well)

H-32-8-16 (Proposed Well)

22-32-8-16 (Existing Well)

Pad Location: NWSE Section 32, T8S, R16E, S.L.B.&M.



NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	590	740	Topsoil is not included in Pad Cut	-150
PIT	690	0		690
TOTALS	1,280	740	330	540

SURVEYED BY: D.G.

DATE SURVEYED: 02-24-11

VERSION:

DRAWN BY: F.T.M.

DATE DRAWN: 03-23-11

V1

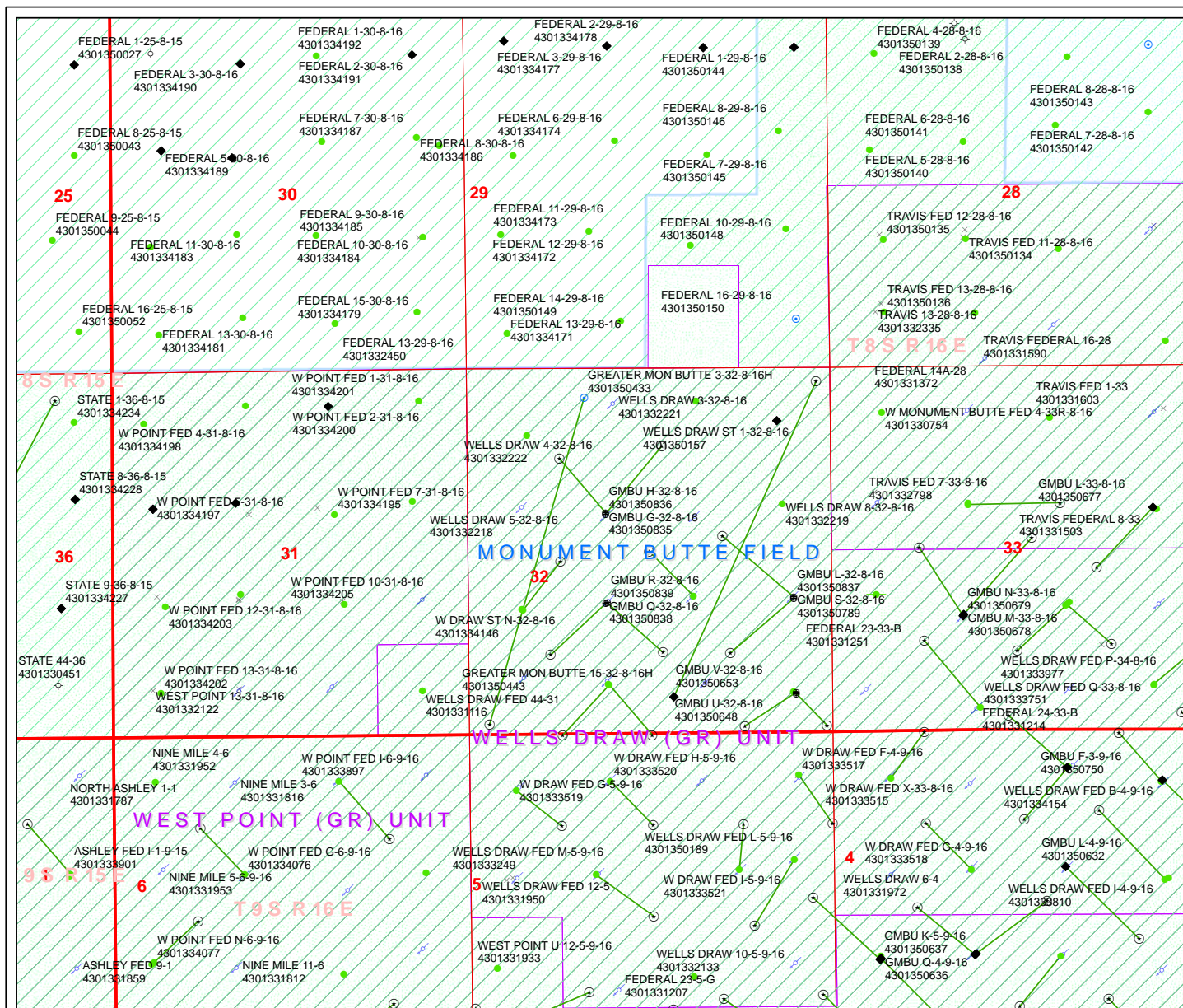
SCALE: 1" = 50'

REVISED:

Tri State
Land Surveying, Inc.

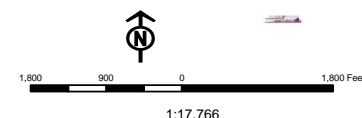
(435) 781-2501

180 NORTH VERNAL AVE, VERNAL, UTAH 84078



API Number: 4301350836
Well Name: GMBU H-32-8-16
Township T0.8 . Range R1.6 . Section 32
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY
 Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
GF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	DPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
	SGW - Shut-in Gas Well
	SOW - Shut-in Oil Well
	TA - Temp. Abandoned
	TW - Test Well
	WDW - Water Disposal
	WW - Water Injection Well
	WSW - Water Supply Well
Fields	STATUS
Unknown	
ABANDONED	
ACTIVE	
COMBINED	
INACTIVE	
STORAGE	
TERMINATED	
Sections	
Township	





VIA ELECTRONIC DELIVERY

June 14, 2011

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
GMBU H-32-8-16
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R16E Section 32: SENW (ML-21836)
2118' FNL 1995' FWL

At Target: T8S-R16E Section 32: NWNE (ML-21836)
1132' FNL 2443' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company ("NPC") of an Application for Permit to Drill the above referenced well dated 6/13/2011, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4153 or by email at pburns@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "PBurns".

Peter Burns
Land Associate

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: ML-21836	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: Greater Monument Butte	
2. NAME OF OPERATOR: Newfield Production Company		9. WELL NAME and NUMBER: GMBU H-32-8-16	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052		10. FIELD AND POOL, OR WILDCAT: Monument Butte	
4. LOCATION OF WELL (FOOTAGES): AT SURFACE: SE/NW 2118' FNL 1995' FWL Sec. 32 T8S R16E AT PROPOSED PRODUCING ZONE: NW/NE 1132' FNL 2443' FEL Sec. 32 T8S R16E		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE/NW 32 8S 16E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 10.2 miles southwest of Myton, Utah		12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Approx. 1,132' f/lse line, NA' f/unit line	16. NUMBER OF ACRES IN LEASE: 640.00 acres	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approx. 1,147'	19. PROPOSED DEPTH: 6,599	20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5710' GL	22. APPROXIMATE DATE WORK WILL START: 3rd Qtr. 2011	23. ESTIMATED DURATION: (15) days from SPUD to rig release	

24. PROPOSED CASING AND CEMENTING PROGRAM							
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4	8 5/8	J-55	24.0	300	Class G w/2% CaCl	155 sx +/-	1.17 15.8
7 7/8	5 1/2	J-55	15.5	6,599	Lead(Prem Lite II)	275 sx +/-	3.26 11.0
					Tail (50/50 Poz)	450 sx +/-	1.24 14.3

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

SIGNATURE *Mandie Crozier* DATE 6/13/11

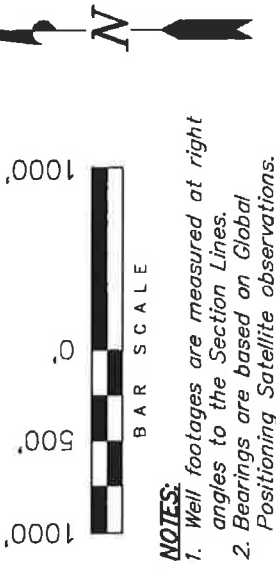
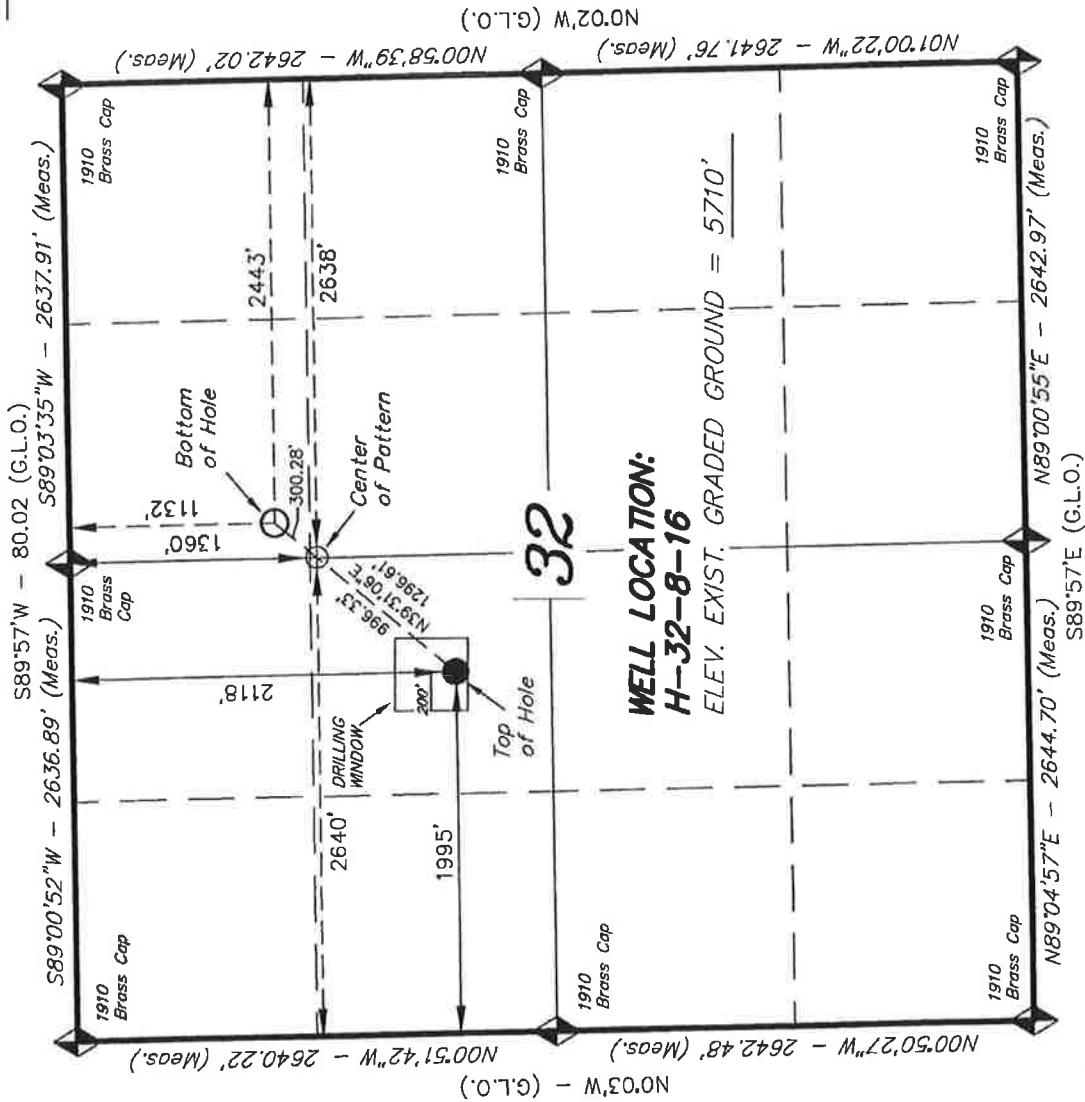
(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____

T8S, R16E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

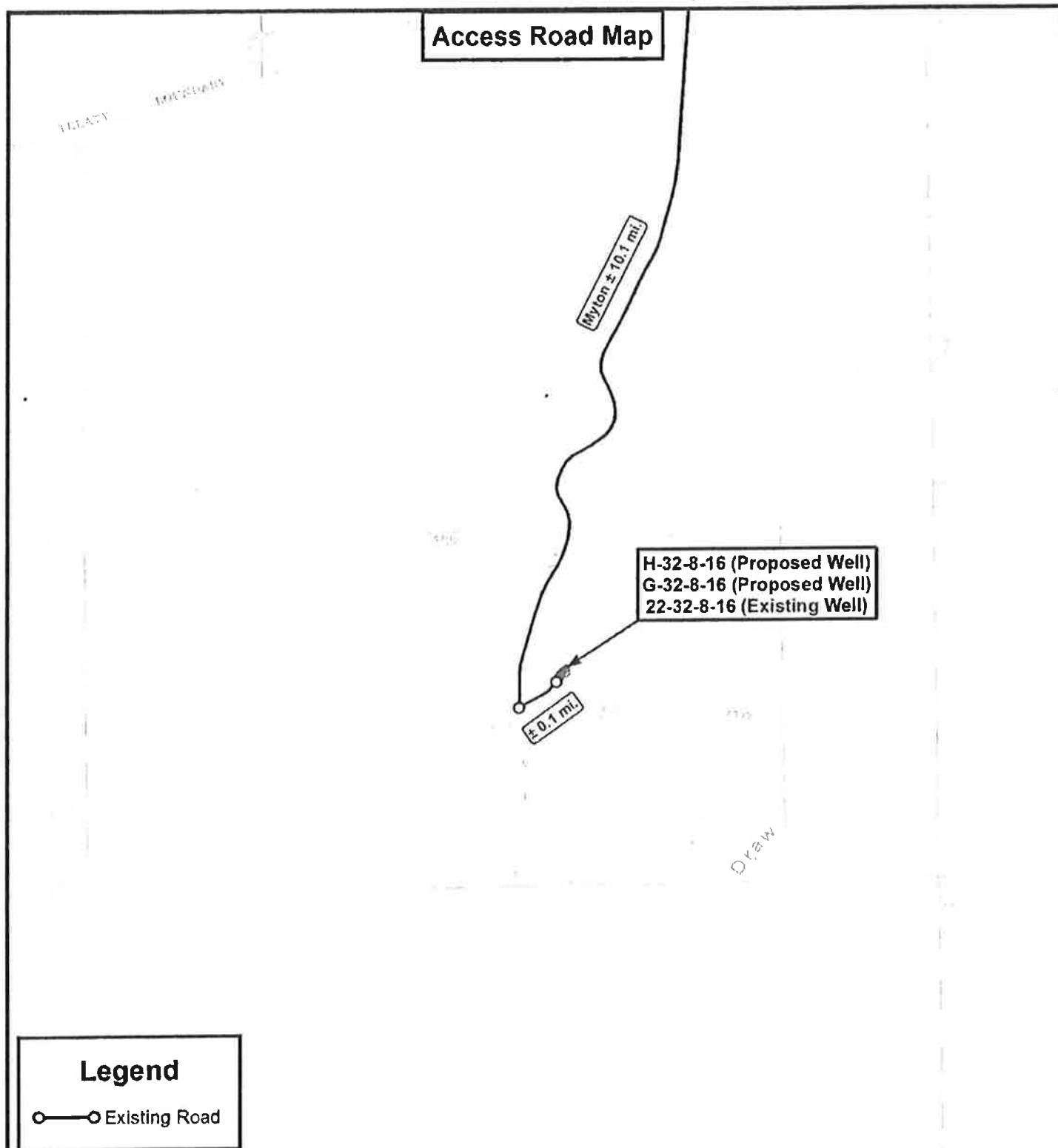
STACY W.
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 189377
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE SURVEYED: 02-24-11	SURVEYED BY: D.G.	VERSION:
DATE DRAWN: 03-23-11	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

H-32-8-16
 (Surface Location) NAD 83
 LATITUDE = 40° 04' 33.14"
 LONGITUDE = 110° 08' 44.17"

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

H-32-8-16 (Proposed Well)
 G-32-8-16 (Proposed Well)
 22-32-8-16 (Existing Well)
 SEC. 32, T8S, R16E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	04-14-2011		V1
SCALE:	1" = 2,000'		

TOPOGRAPHIC MAP

SHEET
B

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 16, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2011 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50835	GMBU G-32-8-16 Sec 32	T08S R16E 2096 FNL 1994 FWL
	BHL Sec 32	T08S R16E 1307 FNL 1334 FWL
43-013-50836	GMBU H-32-8-16 Sec 32	T08S R16E 2118 FNL 1995 FWL
	BHL Sec 32	T08S R16E 1132 FNL 2443 FEL
43-013-50837	GMBU L-32-8-16 Sec 32	T08S R16E 1965 FSL 0559 FEL
	BHL Sec 32	T08S R16E 2437 FNL 1580 FEL
43-013-50838	GMBU Q-32-8-16 Sec 32	T08S R16E 1898 FSL 1988 FWL
	BHL Sec 32	T08S R16E 1156 FSL 1182 FWL
43-013-50839	GMBU R-32-8-16 Sec 32	T08S R16E 1900 FSL 2010 FWL
	BHL Sec 32	T08S R16E 1177 FSL 2456 FEL
43-013-50840	GMBU R-1-9-16 Sec 01	T09S R16E 0941 FSL 1927 FWL
	BHL Sec 01	T09S R16E 1460 FSL 2364 FEL
43-013-50841	GMBU C-12-9-16 Sec 01	T09S R16E 0924 FSL 1914 FWL
	BHL Sec 12	T09S R16E 0368 FNL 2446 FEL
43-013-50842	GMBU V-32-8-17 Sec 32	T08S R17E 0810 FSL 1990 FEL
	BHL Sec 32	T08S R17E 0100 FSL 1300 FEL

RECEIVED: June 16, 2011

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ GREEN RIVER)

43-047-51665	GMBU W-2-9-17	Sec 02 T09S R17E 0650 FSL 1963 FWL
	BHL	Sec 02 T99S R17E 9100 FSL 2629 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.06.16 10:25:36 -06'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:6-16-11

RECEIVED: June 16, 2011

From: Jim Davis
To: Bonner, Ed; Garrison, LaVonne; Hill, Brad; Mason, Diana
CC: mcrozier@newfield.com; teaton@newfield.com
Date: 7/14/2011 8:48 AM
Subject: Newfield APD approvals

The following wells have been approved by SITLA including arch and paleo clearance.

Newfield Production's GMBU V-32-8-17 [API #4301350842]
Newfield Production's GMBU S-32-8-16 [API #4301350789]
Newfield Production's GMBU L-32-8-16 [API #4301350837]
Newfield Production's GMBU I-16-9-17 [API #4301350790]
Newfield Production's GMBU H-16-9-17 [API #4301350788]
Newfield Production's GMBU H-32-8-16 [API #4301350836]
Newfield Production's GMBU G-32-8-16 [API #4301350835]
Newfield Production's GMBU Q-32-8-16 [API #4301350838]
Newfield Production's GMBU R-32-8-16 [API #4301350839]
Newfield Production's GMBU W-2-9-17 [API #4304751665]
Newfield Production's GMBU K-16-9-17 [API #4301350787]
Newfield Production's GMBU S-16-9-17 [API #4301350793]
Newfield Production's GMBU L-16-9-17 [API #4301350791]
Newfield Production's GMBU M-16-9-17 [API #4301350794]
Newfield Production's GMBU R-16-9-17 [API #4301350792]

-Jim Davis

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

Well Name	NEWFIELD PRODUCTION COMPANY GMBU H-32-8-16 4301			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	400	6450		
Previous Shoe Setting Depth (TVD)	0	400		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2793	8.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	173	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	125	YES air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	85	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	85	NO OK
Required Casing/BOPE Test Pressure=		400	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2817	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2043	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1398	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1486	NO Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		400	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi

API Well Number: 43013508360000

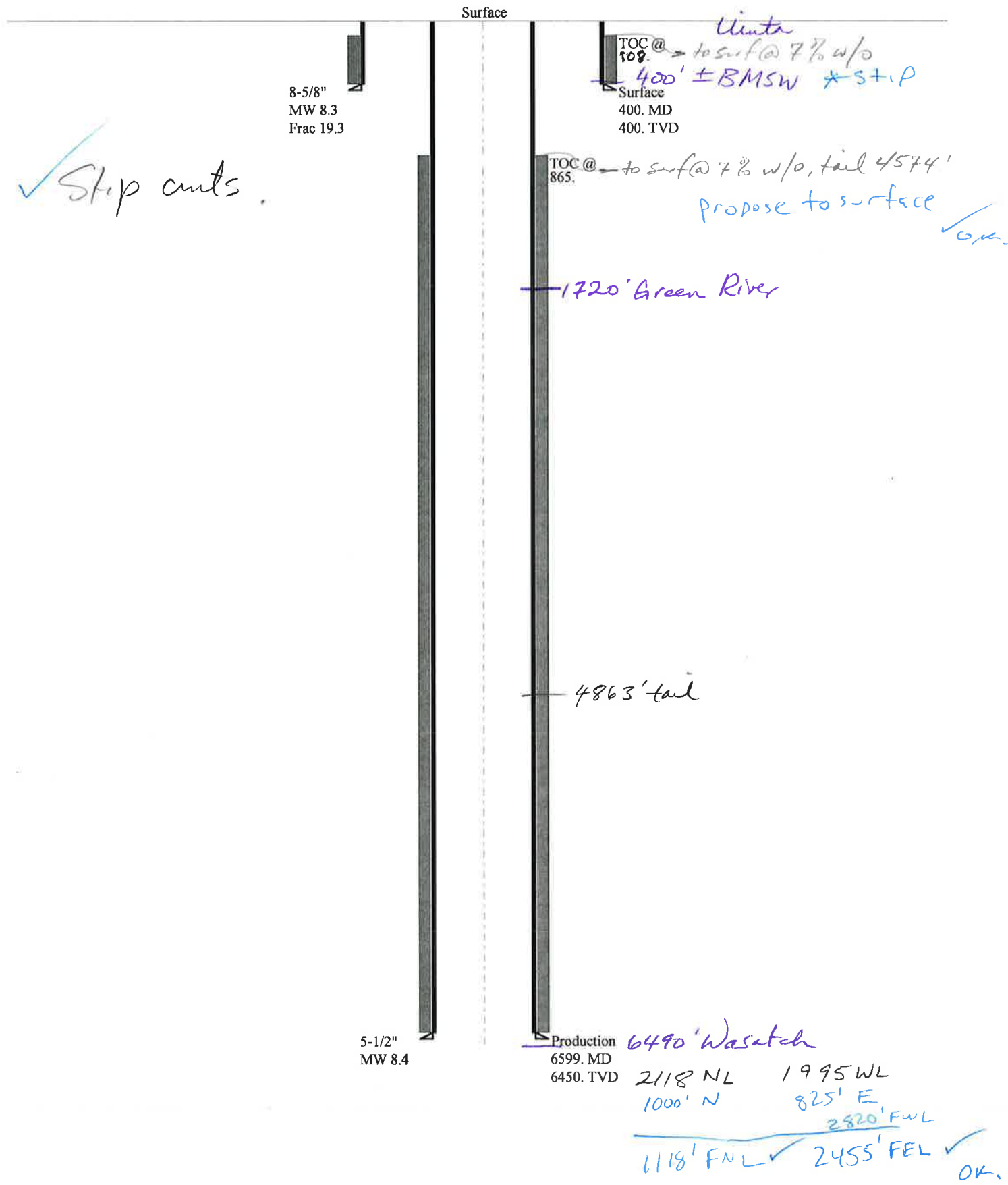
*Max Pressure Allowed @ Previous Casing Shoe=

psi *Assumes 1psi/ft frac gradient

RECEIVED: August 08, 2011

43013508360000 GMBU H-32-8-16

Casing Schematic



Well name:	43013508360000 GMBU H-32-8-16		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Surface	Project ID:	43-013-50836
Location:	DUCHESNE COUNTY		

Design parameters:**Collapse**

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 80 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 84 ft

Burst

Max anticipated surface pressure: 352 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 400 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 350 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 6,450 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,814 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 400 ft
Injection pressure: 400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	400	8.625	24.00	J-55	ST&C	400	400	7.972	2059
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	173	1370	7.915	400	2950	7.37	9.6	244	25.42 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: August 4, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013508360000 GMBU H-32-8-16	
Operator:	NEWFIELD PRODUCTION COMPANY	
String type:	Production	Project ID: 43-013-50836
Location:	DUCHESNE COUNTY	

Design parameters:**Collapse**

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 164 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 865 ft

Burst

Max anticipated surface pressure: 1,395 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,814 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 1297 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 13.51 °

Tension is based on air weight.
Neutral point: 5,756 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6599	5.5	15.50	J-55	LT&C	6450	6599	4.825	23301
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2814	4040	1.435	2814	4810	1.71	100	217	2.17 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: August 4, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6450 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION**Utah Division of Oil, Gas and Mining**

Operator NEWFIELD PRODUCTION COMPANY
Well Name GMBU H-32-8-16
API Number 43013508360000 **APD No** 3989 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SENW **Sec** 32 **Tw** 8.0S **Rng** 16.0E 2118 FNL 1995 FWL
GPS Coord (UTM) 572918 4436327 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Tim Eaton (Newfield), Jim Davis (SITLA) and Alex Hansen (UDWR).

Regional/Local Setting & Topography

The proposed GMBU G-32-8-16 and H-32-8-16 oil wells will be directional drilled from the existing pad of the existing State 22-32-8-16 injection well. The area is designated for 20 acre spacing. A shallow wide swale exists on the reserve pit side. The pad will be slightly extended to the north and west into a moderately rocky hillside.

Excavation from this hillside will be used for fill for the extensions. The reserve pit is on the northeast side with up to 3.9 feet of the outside wall in fill. A double 16 mill liner is required. With this precaution and the 2 feet of freeboard and outer 15 foot wide bench, it should be stable. The pit should be monitored frequently until it is closed to detect any seepage. No drainage diversions are needed.

A field review of the existing pad showed no stability concerns as it now exists. With the above reserve pit stipulations, it should be suitable for drilling and operating the proposed additional wells.

SITLA owns the surface and the minerals.

Surface Use Plan**Current Surface Use**

Existing Well Pad

New Road Miles	Well Pad Width Length	Src Const Material	Surface Formation
----------------	----------------------------	--------------------	-------------------

Ancillary Facilities**Waste Management Plan Adequate?****Environmental Parameters****Affected Floodplains and/or Wetlands****Flora / Fauna**

Existing Pad.

Soil Type and Characteristics**Erosion Issues****Sedimentation Issues****Site Stability Issues**

Drainage Diversion Required?**Berm Required?****Erosion Sedimentation Control Required?****Paleo Survey Run?****Paleo Potential Observed?****Cultural Survey Run?****Cultural Resources?****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	40

1 Sensitivity Level

Characteristics / Requirements

The reserve pit is on the northeast side with up to 3.1 feet of the outside wall in fill. A double 16 mill liner is required. With this precaution and the 2 feet of freeboard and outer 15 foot wide bench, it should be stable. The pit should be monitored frequently until it is closed to detect any seepage.

Closed Loop Mud Required? N Liner Required? Liner Thickness 16 Pit Underlayment Required? Y**Other Observations / Comments**

Floyd Bartlett
Evaluator

6/14/2011
Date / Time

Application for Permit to Drill Statement of Basis

8/9/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3989	43013508360000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU H-32-8-16		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	SENW 32 8S 16E S 2118 FNL 1995 FWL GPS Coord (UTM) 572917E 4436329N				

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at approximately 400 feet in depth. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of section 32. No depth is listed for this well. The well is owned by the BLM and its listed use is for stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The surface casing should be extended to cover the base of the moderately saline ground water.

Brad Hill
APD Evaluator

6/27/2011
Date / Time

Surface Statement of Basis

The proposed GMBU G-32-8-16 and H-32-8-16 oil wells will be directional drilled from the existing pad of the existing State 22-32-8-16 injection well. The area is designated for 20 acre spacing. A shallow wide swale exists on the reserve pit side. The pad will be slightly extended to the north and west into a moderately rocky hillside. Excavation from this hillside will be used for fill for the extensions. The reserve pit is on the northeast side with up to 3.9 feet of the outside wall in fill. A double 16 mill liner is required. With this precaution and the 2 feet of freeboard and outer 15 foot wide bench, it should be stable. The pit should be monitored frequently until it is closed to detect any seepage. No drainage diversions are needed.

A field review of the existing pad showed no stability concerns as it now exists. With the above reserve pit stipulations, it should be suitable for drilling and operating the proposed additional wells.

SITLA owns the surface and the minerals. Mr. Jim Davis of SITLA attended the evaluation and stipulated the double liner for the pit. Mr. Alex Hansen of the UDWR also attended and had no recommendations for wildlife.

Deep loam with some rock.

Floyd Bartlett
Onsite Evaluator

6/14/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A double synthetic liner each with a minimum thickness of 16 mils and an appropriate thickness of felt sub-liner to cushion the liners shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: August 09, 2011

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/13/2011**API NO. ASSIGNED:** 43013508360000**WELL NAME:** GMBU H-32-8-16**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** SENW 32 080S 160E**Permit Tech Review:** ☒**SURFACE:** 2118 FNL 1995 FWL**Engineering Review:** ☒**BOTTOM:** 1132 FNL 2443 FEL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.07596**LONGITUDE:** -110.14485**UTM SURF EASTINGS:** 572917.00**NORTHINGS:** 4436329.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-21836**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**

- ☒ **PLAT**
- ☒ **Bond:** STATE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

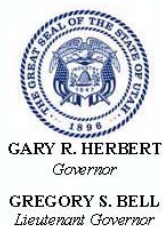
Commingle Approved**LOCATION AND SITING:**

- ☐ **R649-2-3.**
- Unit:** GMBU (GRRV)
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** Cause 213-11
- Effective Date:** 11/30/2009
- Siting:** Suspends General Siting
- ☒ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmadonald
15 - Directional - dmason
27 - Other - bhill

RECEIVED: August 09, 2011



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU H-32-8-16
API Well Number: 43013508360000
Lease Number: ML-21836
Surface Owner: STATE
Approval Date: 8/9/2011

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Cement volumes for the 8 5/8" and 5 1/2" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet

- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 26 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU H-32-8-16
Qtr/Qtr SE/NW Section 32 Township 8S Range 16E
Lease Serial Number ML-21836
API Number 43-013-50836



Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 8/15/11 3:00 AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 8/16/11 11:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

Ute Tribal 9-24-4-3 43-013-50173

- 24-hour Spud Notice sent by email to UDOGM estimating spud on 11/12/2010; entity action form completed
- No Spud Sundry was completed
- API number is correct for the 9-24-4-3, but the notes on the notice refer to UT 9-15-4-3, which WAS spud 11/12/2010
- The BLM approved a two-year APD extension on 11/30/2011 (if we'd spud the well, why did we get an extension?); no State extension is on file
- Gary went to the location and found no well signage, but did find a half-built pad.

Federal 1-28-8-16 43-013-50137

- Spud Sundry sent in by Lucy FOR Mitch Benson 11/11/2010
- Cherei found the Spud Sundry for Federal 11-28-8-16, sent in by Lucy FOR Mitch Benson 10/2/2010 – all spud details are identical, Cherei believes the duplicate Sundry sent in November had the wrong well name (typo of 1-28 instead of 11-28).
- Gary went to the location and found no road, no pad construction, just a "stick in the prairie"

Hawkeye Fed Q-26-8-16 43-013-34066

- Spud Sundry sent in by Cherei FOR Xabier Lasa 4/29/2011
- Cherei found "nothing in any Livelihood folders, no AFE, no Sundry." The closest spud to the date shown on the sundry was for the Hawkeye Fed W-26-8-16, which was actually spudded on 1/31/2011 by Ross #26. Could be a typo of Q instead of W, and the notes could have been the planned spud details that were delayed by a weekend?
- Gary went to the location and found nothing...just the nearby injector 13-26-8-16.

GMBU H-32-8-16 43-013-50836

- 24-hour Spud Notice sent by email to UDOGM estimating spud on 8/15/2011; entity action form completed
- No Spud Sundry was completed
- Cherei has notes that the "geologist pulled the G-32-8-16 after running surface casing, and told Branden not to spud the H-32-8-16. Didn't notify the state they weren't going to spud it" (see the "Potential Replacement Locations list that Cherei received from the geologists)
- Gary went to location, the G-32-8-16 does have surface casing, no spud has been started for the H-32-8-16

GMBU S-32-8-16 43-013-50789

- 24-hour Spud Notice sent by email to UDOGM estimating spud on 8/11/2011; entity action form completed
- No Spud Sundry was completed
- Cherei's notes say "No Sundry, no reports, nothing on it or the L-32-8-16 (multi-pad)" (see the "Potential Replacement Locations list that Cherei received from the geologists)
- Gary went to location, notes say "nothing there (pit built)"

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400	4301350836	GMBU H-32-8-16	SENW	32	8S	16E	DUCHESNE	8/15/2011	8/29/11
WELL 1 COMMENTS: CHANGE TO GR WS FORMATION <i>GRUV</i> <i>ER</i> <i>BHL = N WNE</i>											
B	99999	17400	4301350532	GREATER MON BUTTE Q-30-8-17	NESW	30	8S	17E	DUCHESNE	8/17/2011	8/29/11
<i>GRUV</i> <i>BHL = SWSW</i>											
B	99999	17400	4301350533	GREATER MON BUTTE R-30-8-17	NESW	30	8S	17E	DUCHESNE	8/17/2011	8/29/11
<i>GRUV</i> <i>BHL = SWSE</i>											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
AUG 18 2011

DIV. OF OIL, GAS & MINING

Signature

Production Clerk

Jentri Park

08/18/11

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-21836			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GMBU H-32-8-16			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2118 FNL 1995 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 32 Township: 08.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013508360000			
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE			
COUNTY: DUCHESNE		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/13/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>Newfield proposes to extend the Application for Permit to Drill this well. This APD is not yet due to expire with the BLM.</p> </div> <div style="width: 35%; text-align: right;"> <p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: August 15, 2013</p> <p>By: </p> </div> </div>					
NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech			
SIGNATURE N/A	DATE 8/13/2013				



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013508360000

API: 43013508360000

Well Name: GMBU H-32-8-16

Location: 2118 FNL 1995 FWL QTR SENW SEC 32 TWNP 080S RNG 160E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 8/9/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Mandie Crozier

Date: 8/13/2013

Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Ute Tribal 9-24-4-3 43-013-50173

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GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 28, 2013

Mandie Crozier
Newfield Production Company
Route #3 Box 3630
Myton, UT 84052

Re: APDs Rescinded for Newfield Production Company,
Duchesne County

Dear Ms. Crozier:

Enclosed find the list of APDs that you have asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective August 27, 2013.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal
SITLA, Ed Bonner

<http://www.utah.gov>

APD's to Rescind

Mandie Crozier <mcrozier@newfield.com>

Tue, Aug 27, 2013 at 4:18 PM

To: "dianawhitney@utah.gov" <dianawhitney@utah.gov>

Newfield would like to have the following Approved APD's Rescinded. (See attached list). Most of these APD's were permitted and approved in 2010 or earlier. We would like to emphasize that this is not an on-going issue and that we have drilled or plan to drill 95% of the APD's we've applied for in recent years. These were some areas and play types that we were assessing that we had to permit in advance due to long permit lag time – this caused us to “over-permit” these areas/plays so that we would have options to drill if successful.

Mandie Crozier

Regulatory Specialist.

Office: 435-646-4825

Mobile: 435-401-8335

NEWFIELD



APD's to Rescind_001.pdf

194K

Case Number	Well Name	Num	Lease	TYPE	Comment
UTU87538X	FEDERAL	10-21-8-16	UTU69060	40	4301350033
UTU87538X	HAWKEYE FEDERAL	10-22-8-16	UTU73088	40	4301350094
UTU87538X	FEDERAL	11-21-8-16	UTU69061	40	4301350034
UTU87538X	FEDERAL	11-22-8-16	UTU77339	40	4301350085
UTU87538X	HAWKEYE FEDERAL	11-27-8-16	UTU73088	40	4301350057
UTU87538X	FEDERAL	11-35-8-15	UTU67168	40	4301334252
UTU87538X	STATE	11-36-8-15	STATE	40	4301334225
UTU87538X	FEDERAL	1-21-8-16	UTU69060	40	4301350025
UTU87538X	FEDERAL	12-22-8-16	UTSL065914	40	4301350086
UTU87538X	FEDERAL	12-25-8-15	UTU67168	40	4301350048
UTU87538X	HAWKEYE FEDERAL	12-27-8-16	UTU73088	40	4301350056
UTU87538X	FEDERAL	1-25-8-15	UTU67168	40	4301350027
UTU87538X	HAWKEYE FEDERAL	1-27-8-16	UTU73088	40	4301350040
UTU87538X	FEDERAL	1-29-8-16	UTU69061	40	4301350144
UTU87538X	FEDERAL	1-30-8-16	UTU81000	40	4301334192
UTU87538X	FEDERAL	13-19-8-16	UTU73089	40	4301334170

→ Was Resanded on 6/4/2012

UTU87538X	FEDERAL	14-19-8-16	UTU73089	40	4301334169
UTU87538X	FEDERAL	14-21-8-16	UTU69061	40	4301350029
UTU87538X	FEDERAL	14-22-8-16	UTU77339	40	4301350100
UTU87538X	TRAVIS FEDERAL	14-27-8-16	UTU62848	40	4301350055
UTU87538X	FEDERAL	15-19-8-16	UTU73089	40	4301334168
UTU87538X	FEDERAL	15-21-8-16	UTU69060	40	4301350028
UTU87538X	FEDERAL	16-19-8-16	UTU73089	40	4301334167
UTU87538X	FENCELINE FEDERAL	1A-22-8-16	UTU74868	40	4301350090
UTU87538X	FEDERAL	2-21-8-16	UTU69060	40	4301350030
UTU87538X	FENCELINE FEDERAL	2-22-8-16	UTU74868	40	4301350891
UTU87538X	HAWKEYE FEDERAL	2-27-8-16	UTU73088	40	4301350041
UTU87538X	FEDERAL	2-29-8-16	UTU69061	40	4301334178
UTU87538X	WEST POINT FEDERAL	2-31-8-16	UTU74389	40	4301334200
UTU87538X	FEDERAL	3-22-8-16	UTU76561	40	4301350082
UTU87538X	FEDERAL	3-29-8-16	UTU69060	40	4301334177
UTU87538X	FEDERAL	3-30-8-16	UTU81000	40	4301334190
UTU87538X	FEDERAL	4-22-8-16	UTU76561	40	4301350099

UTU87538X	FENCELINE FEDERAL	4-23-8-16	UTU74868	40	4301350130
UTU87538X	FEDERAL	4-27-8-16	UTU77339	40	4301350062
UTU87538X	FEDERAL	4-29-8-16	UTU69060	40	4301334176
UTU87538X	FEDERAL	5-22-8-16	UTU76561	40	4301350083
UTU87538X	FENCELINE FEDERAL	5-23-8-16	UTU74868	40	4301350133
UTU87538X	HAWKEYE FEDERAL	5-27-8-16	UTU73088	40	4301350063
UTU87538X	FEDERAL	5-30-8-16	UTU81000	40	4301334189
UTU87538X	WEST POINT FEDERAL	5-31-8-16	UTU74389	40	4301334197
UTU87538X	FEDERAL	6-21-8-16	UTU69060	40	4301350031
UTU87538X	FEDERAL	6-22-8-16	UTU76561	40	4301350084
UTU87538X	HAWKEYE FEDERAL	6-27-8-16	UTU73088	40	4301350064
UTU87538X	FEDERAL	6-30-8-16	UTU81000	40	4301334188
UTU87538X	WEST POINT FEDERAL	6-31-8-16	UTU74389	40	4301334196
UTU87538X	FEDERAL	6-35-8-15	UTU67168	40	4301334247
UTU87538X	FENCELINE FEDERAL	7-22-8-16	UTU74868	40	4301350091
UTU87538X	HAWKEYE FEDERAL	7-27-8-16	UTU73088	40	4301350058
UTU87538X	FEDERAL	7-35-8-15	UTU67168	40	4301334248

UTU87538X	FEDERAL	8-21-8-16	UTU69060	40	4301350032
UTU87538X	FENCELINE FEDERAL	8-22-8-16	UTU74868	40	4301350092
UTU87538X	FEDERAL	8-35-8-15	UTU67168	40	4301334249
UTU87538X	FEDERAL	9-20-8-16	UTU77339	40	4301350089
UTU87538X	HAWKEYE FEDERAL	9-22-8-16	UTU73088	40	4301350093
UTU87538X	FEDERAL	9-35-8-15	UTU67168	40	4301334250
UTU87538X	GMBU	G-32-8-16	STATE	20	4301350835
UTU87538X	GMBU	H-32-8-16	STATE	20	4301350836
UTU87538X	GMBU	L-32-8-16	STATE	20	4301350837
UTU87538X	GMBU	Q-32-8-16	STATE	20	4301350838
UTU87538X	GMBU	R-32-8-16	STATE	20	4301350839

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→ Si+1w

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United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078

<http://www.blm.gov/ut/st/en/fo/vernal.html>



OCT 28 2013

IN REPLY REFER TO:
3160 (UTG011)

Mandie Crozier
Newfield Production Company
Route 3, Box 3630
Myton, UT 84052

COPY

Re: Request to Rescind Approved APD

Well No: GMBU H-32-8-16
SENW, Sec. 32, T8S, R16E
Duchesne County, Utah
Lease No. STATE

43 013 50836

Dear Ms. Crozier:

The Application for Permit to Drill (APD) for the above-referenced well was approved on August 9, 2011. This office is rescinding its approval of the referenced Application for Permit to Drill per your request to this office in an email message to Land Law Examiner Robin Hansen received on August 27, 2013. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding APD processing, please contact Leslie Buhler at (435) 781-3432.

Sincerely,

Jerry Kenczka
Assistant Field Manager
Lands & Resource Minerals

UDCGM

RECEIVED

NOV 04 2013

DIV. OF OIL, GAS & MINING